

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2004					
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-4 Ordnance Support Equipment							P-1 ITEM NOMENCLATURE Gun Fire Control Equipment- 5209					
Program Element for Code B Items:							Other Related Program Elements					
		ID Code		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
QUANTITY												
COST (In Millions)				\$0.0	\$12.5	\$11.4	\$8.4	\$4.7	\$5.1	\$5.2	CONT	CONT
SPARES COST (In Millions)												
EMERGENCY RESPONSE FUND (In Millions)												
<p>** MK 86 Fire Control System and Night Vision Devices were reassigned from BLI 511000/5/6. FY02 & FY03 funds are refelcted in that BLI.</p> <p>Description: (U) This program provides for procurement of equipment, materials and Ordnance Alterations (ORDALTs) to improve combat effectiveness of and maintain logistic supportability of Gun Fire Control Systems (GFCS) installed on 65 ships (65 MK 86) and 8 shore installations (8 MK 86).</p> <p>UK024 RMA (Reliability, Maintainability and Availability) MK 86 - Procures product Improvement ORDALTs for GFCS MK 86 to correct problems reported by fleet units; upgrades unreliable components and replaces obsolete components and parts no longer in production. Installations to be in ship classes with MK 86 configuration. MK 86 ORDALTs were procured in prior years and are being installed in blocks to reduce total installation costs.</p> <p>UK039 Night Vision Devices - Procures new Night Vision Devices (NVD) for ships and shore sights. Provides repair or replacement of NVD and NVD Test Equipment.</p> <p>UK051 MK 46 Optical Sight Systems (OSS) Product Improvement - Procure Product Improvements for MK 46 OSS on DDG 51 Class ships. The MK 46 OSS is an integral element of the MK 34 gun weapon system. These improvements provide enhanced force protection capabilities and reduce total ownership costs by improved reliability and supportability of in-service equipment systems.</p> <p>UK5IN/UK6IN - Installation of Equipments - Provides funding to install ORDALTS, field changes and other alterations in ships (Fleet Modernization Program - FMP) and shore sites (Non-fleet Modernization Program - NON-FMP)</p>												

P-1 SHOPPING LIST

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WEAPONS SYSTEM COST ANALYSIS P-5												DATE: February 2004			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-4 Ordnance Support Equipment						P-1 ITEM NOMENCLATURE/SUBHEAD Gun Fire Control Equipment- 5209						SUBHEAD: A4NV			
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
							FY 2003			FY 2004			FY 2005		
				Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
UK024	EQUIPMENT														
UK039	RMA MK 86														1,930
UK039	Night Vision Devices														2,762
UK051	MK 46 OSS Product Improvement														6,252
UK5IN	INSTALL														
UK5IN	Installation of Eqmt.-- FMP (RMA MK 86)														480
UK6IN	Installation of Eqmt-- NON FMP (RMA MK 86)														57
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P3A		INDIVIDUAL MODIFICATION																				
MODELS OF SYSTEM AFFECTED:		GFCS MK 86				TYPE MODIFICATION:				Mods 9, 10, 12				MODIFICATION TITLE: MK86; Gun Fire Control Equipment ORDAITs								
DESCRIPTION/JUSTIFICATION:																						
Provides Product Capability, Safety, and Survivability with RMA Improvements.																						
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>Continuous Improvements to GFCS MK 86</u>																						
	FY 2002 & Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2009		TC		TOTAL	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
<u>FINANCIAL PLAN (IN MILLIONS)</u>																						
<u>RDT&E</u>																						0.0
<u>PROCUREMENT</u>																						
INSTALLATION KITS					13	1.3	11	0.9	7	0.7	7	0.8									38	3.7
INSTALLATION KITS - UNIT COST																						0.0
INSTALLATION KITS NONRECURRING						0.9		1.0		0.7		0.1										2.7
EQUIPMENT																						0.0
EQUIPMENT NONRECURRING																						0.0
ENGINEERING CHANGE ORDERS																						0.0
DATA																						0.0
TRAINING EQUIPMENT																						0.0
SUPPORT EQUIPMENT																						0.0
PRODUCTION SUPPORT																						0.0
OTHER (ILS/TEST SUPPORT)																						0.0
OTHER (CSS)																						0.0
INTERIM CONTRACTOR SUPPORT																						0.0
INSTALL COST					11	0.4	15	0.5	3	0.4	6	0.2	5	0.2	0	0.0	0	0.0	4	0.5	44	2.2
TOTAL PROCUREMENT						2.6		2.4		1.8		1.1		0.2		0.0		0.0		0.5		8.6

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P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: GFCS MK 86

MODIFICATION TITLE: MK86; Gun Fire Control Equipment ORDALTs

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: _____
ADMINISTRATIVE LEADTIME: _____

ALTERATION INSTALLATION TEAM (AIT)

CONTRACT DATES: FY 2002: N/A
DELIVERY DATE: FY 2002: N/A

PRODUCTION LEADTIME: _____
FY 2003: N/A
FY 2003: N/A

FY 2004: N/A
FY 2004: N/A

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS																						
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT							2	0.1														
FY 2004 EQUIPMENT							9	0.3	4	0.1												
FY 2005 EQUIPMENT									11	0.4												
FY 2006 EQUIPMENT											3	0.4	4	0.1								
FY 2007 EQUIPMENT													2	0.1								
FY 2008 EQUIPMENT															5	0.2						
FY 2009 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE:

	FY 2001 & Prior	FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: Prior years quantities above reflect total number of ORDALT kits installed. Beginning in FY95, ORDALTs have been procured, packaged, and installed in sets to lower overall ship unit costs.

- MK86 BASELINE ORDALTs: 13 (FY94 & Prior)
- MK86 BLOCK 1 UPGRADE ORDALTs: 4 (FY95)
- MK86 BLOCK 2 UPGRADE ORDALTs: 5 (FY96)
- MK86 RMA-1 UPGRADE ORDALTs: 3 (FY97 - FY00)
- MK86 RMA-2 UPGRADE ORDALTs: 5 (FY01- FY07)

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